

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 04264392  
PUBLICATION DATE : 21-09-92

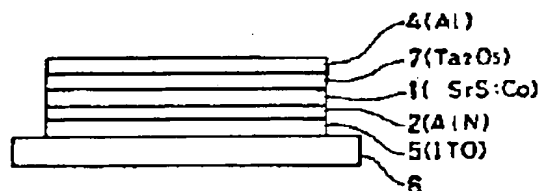
APPLICATION DATE : 19-02-91  
APPLICATION NUMBER : 03047716

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INT.CL. : H05B 33/22

TITLE : ELECTROLUMINESCENCE ELEMENT



ABSTRACT : PURPOSE: To reduce degree of deviation of an element, and operate it stably by forming AlN insulating film in one surface side of SrS:Ce fluorescent material, and forming Ta<sub>2</sub>O<sub>5</sub> film in the other surface side thereof.

CONSTITUTION: An ITO transference electrode 5 is formed on a glass substrate 6. AlN insulating film 2, SrS:Ce fluorescent material film 1, Ta<sub>2</sub>O<sub>5</sub> insulating film 7 and Al electrode 4 are formed thereon in order. The Ta<sub>2</sub>O<sub>5</sub> film is formed by sputtering under the mixed atmosphere of Ar and O<sub>2</sub>. Ta<sub>2</sub>O<sub>5</sub> has a large dielectric constant, and which can be driven at a low voltage. The AlN insulating film 2 is formed by sputtering under the mixed atmosphere of N<sub>2</sub> and Ar.

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